

Application Number : 10/676,572  
Appellant : Stuart D. Cheshire  
Filed : 30 September 2003  
T.C./A.U. : 2455  
Examiner : Hamza, Faruk

Confirmation Number: 7890

Docket Number : APL-P3153  
Customer No. : 62096

Corrections to Appeal Brief  
via Electronic Filing

### **CORRECTIONS TO APPEAL BRIEF**

Sir:

In a Notice of Non-Compliant Appeal Brief mailed **09 August 2011**, Examiner indicated that the “Status of Claims” section of the Appeal Brief submitted on 18 July 2011 was incorrect both because the claims that were objected to had not been clearly listed, and because there was a typographical error in the “Claims Rejected” portion of the “Status of Claims” section. Additionally, Examiner indicated that the “Claim Appendix” was incorrect because the Claims Appendix did not clearly differentiate the appealed claims from the other pending claims. Examiner further indicated that an entire amended Appeal Brief was not required in a response; just the corrected section.

Applicant submits the following amended “Status of Claims” and “Appendix A: Claims Appendix” to clarify the appeal brief.

## **STATUS OF CLAIMS**

The status of the claims is as follows:

Claims pending: 1, 5-9, 13-17, 21-24, 35-37, and 41-43  
Claims rejected: 1, 5-9, 13-17, 21-24, 35-37, and 41-43  
Claims objected to: 5-7, 13-15, and 21-23\*  
Claims cancelled: 2-4, 10-12, 18-20, 25-34, and 38-40  
Claims appealed: 1, 9, and 17

\*Examiner indicated that these claims were rejected under 35 U.S.C. § 112 due to their dependency on rejected independent claims 1, 9, and 17, respectively, but were allowable if they were rewritten in independent form.

## Appendix A: Claims Appendix

1           1.     (Previously Presented - Appealed) A method for invalidating  
2 resource records in a local cache at a client computer system within a network,  
3 comprising:  
4           receiving a multicast message from another client querying a device;  
5           locating a resource record associated with the device;  
6           waiting for a multicast response from the device to the multicast message  
7 querying the device; and  
8           when a predetermined number of multicast messages from the other client  
9 querying the device have been received without receiving the multicast response  
10 from the device to the other client, invalidating the resource record associated  
11 with the device.

1           2-4.   (Canceled).

1           5.     (Previously Presented - Objected To) The method of claim 41,  
2 wherein if the response to the issued query is not received in a pre-determined  
3 amount of time, the method further comprises:  
4           retrieving a parent record of the resource record at the client, wherein the  
5 parent record refers to the resource record;  
6           issuing a query for the parent record;  
7           waiting for a response to the query from the device; and  
8           if the response to the query is not received in a pre-determined amount of  
9 time, invalidating the parent record, and then repeating the above process by  
10 applying it recursively to any records that refer to the now-invalidated parent  
11 record.

1           6.     (Previously Presented - Objected To) The method of claim 41,  
2     wherein if the response to the issued query is not received in a pre-determined  
3     amount of time, the method further comprises:  
4             retrieving a parent record of the resource record at the client, wherein the  
5     parent record refers to the resource record;  
6             issuing a query for the parent record;  
7             receiving a response to the query from the device, wherein the response  
8     includes information for updating the resource record; and  
9             updating the resource record with the information received in the response.

1           7.     (Original - Objected To) The method of claim 6, wherein the  
2     method further comprises updating the parent record with the information  
3     received in the response.

1           8.     (Previously Presented) The method of claim 41, wherein the  
2     resource records are retrieved and the queries are issued at a pre-specified time  
3     interval.

1           9.     (Previously Presented - Appealed) A computer-readable storage  
2     medium storing instructions that when executed by a computer cause the  
3     computer to perform a method for invalidating resource records in a local cache at  
4     a client computer system within a network, the method comprising:  
5             receiving a multicast message from another client querying a device;  
6             locating a resource record associated with the device;  
7             waiting for a multicast response to the multicast message querying the  
8     device; and  
9             when a predetermined number of multicast messages from the other client  
10    querying the device have been received without receiving the multicast response

11 from the device to the other client, invalidating the resource record associated  
12 with the device.

1 10-12. (Canceled).

1 13. (Previously Presented - Objected To) The computer-readable  
2 storage medium of claim 42, wherein if the response to the issued query is not  
3 received in a pre-determined amount of time, the method further comprises:  
4 retrieving a parent record of the resource record at the client, wherein the  
5 parent record refers to the resource record;  
6 issuing a query for the parent record;  
7 waiting for a response to the query from the device; and  
8 if the response to the query is not received in a pre-determined amount of  
9 time, invalidating the parent record, and then repeating the above process by  
10 applying it recursively to any records that refer to the now-invalidated parent  
11 record.

1 14. (Previously Presented - Objected To) The computer-readable  
2 storage medium of claim 42, wherein if the response to the issued query is not  
3 received in a pre-determined amount of time, the method further comprises:  
4 retrieving a parent record of the resource record at the client, wherein the  
5 parent record refers to the resource record;  
6 issuing a query for the parent record;  
7 receiving a response to the query from the device, wherein the response  
8 includes information for updating the resource record; and  
9 updating the resource record with the information received in the response.

1           15.     (Original - Objected To) The computer-readable storage medium  
2 of claim 14, wherein the method further comprises updating the parent record  
3 with the information received in the response.

1           16.     (Previously Presented) The computer-readable storage medium of  
2 claim 42, wherein the resource records are retrieved and the queries are issued at a  
3 pre-specified time interval.

1           17.     (Previously Presented - Appealed) An apparatus that invalidates  
2 resource records in a local cache at a client computer system within a network,  
3 comprising:  
4           an invalidation mechanism configured to:  
5                 receive a multicast message from another client querying a device;  
6                 receive a resource record associated with the device from the  
7                 retrieval mechanism in response to receiving the multicast message;  
8                 wait for a multicast response to the multicast message querying the  
9                 device; and  
10            when a predetermined number of multicast messages from the  
11            other client querying the device have been received without receiving the  
12            multicast response from the device to the other client, invalidate the  
13            resource record associated with the device.

1           18-20. (Canceled).

1           21.     (Previously Presented - Objected To) The apparatus of claim 43,  
2 wherein if the response to the issued query is not received in a pre-determined  
3 amount of time, the invalidation mechanism is additionally configured to:

4 retrieve a parent record of the resource record at the client, wherein the  
5 parent record refers to the resource record;  
6 issue a query for the parent record;  
7 wait for a response to the query from the device; and  
8 if the response to the query is not received in a pre-determined amount of  
9 time, to invalidate the parent record, and to then repeat the above process by  
10 applying it recursively to any records that refer to the now-invalidated parent  
11 record.

1 22. (Previously Presented - Objected To) The apparatus of claim 43,  
2 further comprising an updating mechanism, wherein if the response to the issued  
3 query is not received in a pre-determined amount of time, the updating mechanism  
4 is configured to:

5 retrieve a parent record of the resource record at the client, wherein the  
6 parent record refers to the resource record;  
7 issue a query for the parent record;  
8 receive a response to the query from the device, wherein the response  
9 includes information for updating the resource record; and to  
10 update the resource record with the information received in the response.

1 23. (Original - Objected To) The apparatus of claim 22, wherein the  
2 updating mechanism is additionally configured to update the parent record with  
3 the information received in the response.

1 24. (Previously Presented) The apparatus of claim 43, wherein the  
2 invalidation mechanism is configured to retrieve resource records and issue  
3 queries at a pre-specified time interval.

1           25-34. (Canceled).

1           35.     (Previously Presented) The method of claim 1 wherein invalidating  
2     the resource record further comprises invalidating a child resource record of the  
3     resource record.

1           36.     (Previously Presented) The computer-readable storage medium of  
2     claim 9, wherein invalidating the resource record further comprises invalidating a  
3     child resource record of the resource record.

1           37.     (Previously Presented) The apparatus of claim 17, wherein  
2     invalidating the resource record further comprises invalidating a child resource  
3     record of the resource record.

1           38-40. (Canceled).

1           41.     (Previously Presented) The method of claim 1, wherein the method  
2     further comprises:  
3         retrieving a resource record from the local cache at the client computer  
4     system;  
5         issuing one or more queries for the resource record at the client computer  
6     system;  
7         waiting for a response to the query at the client computer system; and  
8         if the response to the query is not received in a pre-determined amount of  
9     time and after issuing a predetermined number of queries for the resource record,  
10    invalidating the resource record at the client computer system



1           42.     (Previously Presented) The computer-readable storage medium of  
2 claim 9, wherein the method further comprises:  
3           retrieving a resource record from the local cache at the client;  
4           issuing one or more queries for the resource record;  
5           waiting for a response to the query; and  
6           if the response to the query is not received in a pre-determined amount of  
7 time and after issuing a predetermined number of queries for the resource record,  
8 invalidating the resource record at the client.

1           43.     (Previously Presented) The apparatus of claim 17, wherein the  
2 apparatus further comprises:  
3           a retrieval mechanism at the client configured to retrieve a resource record  
4 from the local cache at the client, wherein the invalidation mechanism is  
5 configured to:  
6           issue one or more queries for the resource record,  
7           wait for a response to the query, and  
8           if the response to the query is not received in a pre-determined  
9 amount of time and after issuing a predetermined number of queries for  
10 the resource record, invalidate the resource record at the client.

## CONCLUSION

It is submitted that the Appeal Brief is presently in form for examination.  
Such action is respectfully requested.

Respectfully submitted,

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